



```
RRRRRRRR      MM      MM      SSSSSSSS      000000      DDDDDDDD      EEEEEEEEEEE      LL      EEEEEEEEEEE      TTTTTTTTTT
RRRRRRRR      MM      MM      SSSSSSSS      000000      DDDDDDDD      EEEEEEEEEEE      LL      EEEEEEEEEEE      TTTTTTTTTT
RR      RR      MMMM      MMMM      SS      00      00      DD      DD      EE      LL      EE      TT
RR      RR      MMMM      MMMM      SS      00      00      DD      DD      EE      LL      EE      TT
RR      RR      MM      MM      SS      00      0000      DD      DD      EE      LL      EE      TT
RR      RR      MM      MM      SS      00      0000      DD      DD      EE      LL      EE      TT
RRRRRRRR      MM      MM      SSSSSS      00      00      00      DD      DD      EEEEEEEEE      LL      EEEEEEEEE      TT
RRRRRRRR      MM      MM      SSSSSS      00      00      00      DD      DD      EEEEEEEEE      LL      EEEEEEEEE      TT
RR      RR      MM      MM      SS      0000      00      DD      DD      EE      LL      EE      TT
RR      RR      MM      MM      SS      0000      00      DD      DD      EE      LL      EE      TT
RR      RR      MM      MM      SS      00      00      DD      DD      EE      LL      EE      TT
RR      RR      MM      MM      SSSSSSSS      000000      DDDDDDDD      EEEEEEEEEEE      LLLLLLLLLL      EEEEEEEEEEE      TT
RR      RR      MM      MM      SSSSSSSS      000000      DDDDDDDD      EEEEEEEEEEE      LLLLLLLLLL      EEEEEEEEEEE      TT
                                     ....
                                     ....
                                     ....
                                     ....

LL      IIIIII      SSSSSSSS
LL      IIIIII      SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLL      IIIIII      SSSSSSSS
```

(3) 67  
(4) 89

DECLARATIONS  
RMS\$DELETE - COMMON \$DELETE SETUP AND DISPATCH ROUTINE

```
0000 1          $BEGIN RMSODELET,000,RMSRMS,<DISPATCH FOR DELETE OPERATION>
0000 2
0000 3
0000 4 *****
0000 5 *****
0000 6 *   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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0000 22 *  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
0000 23 *
0000 24 *****
0000 25 *****
0000 26 *****
```



```
0000 28 :++
0000 29 :
0000 30 Facility: rms32
0000 31 :
0000 32 Abstract:
0000 33 this routine is the highest level control
0000 34 routine to perform the $delete function.
0000 35 :
0000 36 :
0000 37 Environment:
0000 38 star processor running starlet exec.
0000 39 :
0000 40 Author: L F LAVERDURE, Creation Date: 8-NOV-1977
0000 41 :
0000 42 Modified By:
0000 43 :
0000 44 V03-005 JWT0141 Jim Teague 11-Nov-1983
0000 45 Change IFB$V_RUM to IFB$V_ONLY_RU
0000 46 :
0000 47 V03-004 KPL0001 Peter Lieberwirth 20-Jun-1983
0000 48 Change some references to JNLFLG to JNLFLG2.
0000 49 :
0000 50 V03-003 KBT0451 Keith B. Thompson 6-Jan-1983
0000 51 Fix broken branch
0000 52 :
0000 53 V03-002 JWH0153 Jeffrey W. Horn 8-Dec-1982
0000 54 Don't allow $DELETE if not in recovery unit and RU only
0000 55 specified for file.
0000 56 :
0000 57 V03-001 KBT0176 Keith B. Thompson 23-Aug-1982
0000 58 Reorganize psects
0000 59 :
0000 60 V02-005 CDS0005 C Saether 11-Dec-1981
0000 61 Fix broken branch.
0000 62 :
0000 63 --
0000 64 :
0000 65 :
```

RMSODELET  
V04-000

DISPATCH FOR DELETE OPERATION  
DECLARATIONS

H 9

16-SEP-1984 01:14:17  
5-SEP-1984 16:24:45

VAX/VMS Macro V04-00  
[RMS.SRC]RMSODELET.MAR;1

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```
0000 67      .SBTTL  DECLARATIONS
0000 68
0000 69 ::
0000 70 :: Include Files:
0000 71 ::
0000 72 ::
0000 73 ::
0000 74 :: Macros:
0000 75 ::
0000 76
0000 77      $IFBDEF
0000 78      $RMSDEF
0000 79
0000 80 ::
0000 81 :: Equated Symbols:
0000 82 ::
0000 83 ::
0000 84 ::
0000 85 :: Own Storage:
0000 86 ::
0000 87
```

```
0000 89      .SBTTL RMS$DELETE - COMMON $DELETE SETUP AND DISPATCH ROUTINE
0000 90
0000 91      :++
0000 92
0000 93      RMS$DELETE
0000 94
0000 95      RMS$DELETE - this routine performs common rab function setup followed
0000 96      by dispatch to organization-dependent $delete code
0000 97
0000 98      Calling sequence:
0000 99
0000 100     entered from exec as a result of user's calling sys$delete
0000 101     (e.g., by using the $delete macro)
0000 102
0000 103     Input Parameters:
0000 104
0000 105     ap      user's argument list addr
0000 106
0000 107     Implicit Inputs:
0000 108
0000 109     the contents of the rab and related irab and ifab.
0000 110
0000 111     Output Parameters:
0000 112
0000 113     r1      destroyed
0000 114     r0      status code
0000 115
0000 116     Implicit Outputs:
0000 117
0000 118     various fields of the rab are filled in to reflect
0000 119     the status of the $delete operation. (see rms functional
0000 120     spec for a complete list.)
0000 121
0000 122     the irab is similarly deleted.
0000 123
0000 124     a completion ast is queued if specified in the user arglist.
0000 125
0000 126     Completion Codes:
0000 127
0000 128     standard rms (see functional spec for list).
0000 129
0000 130     Side Effects:
0000 131
0000 132     none
0000 133
0000 134     :--
0000 135
```



```
0000 137 SENTRY RMS$DELETE
0000 138 $TSTPT DELETE
0006 139 $RABSET FAC=IFB$V_DEL,CFLG=1 ; do common setup
000A 140 .show me ; returns to user on error
000A 141
OE 00A0 CA 00 E1 000A 142 BBC #IFB$V_ONLY_RU,IFB$B_JNLFLG(R10),10$ ; branch if not RU only
08 00A2 CA 02 E0 0010 143 BBS #IFB$V_RUP,IFB$B_JNLFLG2(R10),10$ ; branch if in RU
0016 144 RMSERR NRU,RO
0016 RMSSTS NRU,RO
0016 .IF DF RMS$ NRU
00008700 0016 .IF EQ <RMS$ NRU&^XFF00>
0016 MOVZBL #<RMS$ NRU&^XFF>,RO
50 87FC 8F 3C 0016 .IFF
0016 MOVZWL #<RMS$ NRU&^XFFFF>,RO
001B .ENDC
001B .MEXIT
FFE2' 31 001B 145 BRW RM$EXRMS
001E 146
001E 147
001E 148 ;
001E 149 ; dispatch to org-dependent code
001E 150 ;
14 6A 3E E0 001E 151
0022 152 10$: BBS #IFB$V_DAP,(R10),NTDEL ; branch if network operation
0022 153 CASE TYPE=B, SRC=IFB$B_ORGCASE(R10),-
02' 00 23 AA 8F 0022 154 DISPLIST=<RMSERRIOP,DELETE2,RMS$DELETE3>
0027 CASEB IFB$B_ORGCASE(R10),#0,S^#<<30001$-30000$>/2>-1
0027 30000$:
0027 .IRP EP,<RMSERRIOP,DELETE2,RMS$DELETE3>
0027 .SIGNED_WORD EP-30000$
0027 .ENDR
FFD9' 0027 .SIGNED_WORD RMSERRIOP-30000$
0029 .SIGNED_WORD DELETE2-30000$
0009' 0029 .SIGNED_WORD RMS$DELETE3-30000$
FFD9' 002B
002D 30001$:
002D
002D
FFD0' 31 002D 155 BRW RM$ERRORG ; return to user with error
0030 156
0030 157 DELETE2:
00000000'EF 17 0030 158 JMP RMS$DELETE2 ; Out of range delete
00000000'EF 17 0036 159 NTDEL: JMP NT$DELETE ; delete record via remote fal
003C 160
003C 161
003C 162
003C 163 .END
```



RMSODELET  
Symbol table

DISPATCH FOR DELETE OPERATION

K 9

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```
$$PSECT_EP      = 00000000
$$RMSTEST       = 0000001A
$$RMS_PBUGCHK   = 00000010
$$RMS_TBUGCHK   = 00000008
$$RMS_UMODE     = 00000004
DELETE2         = 00000030 R    01
IFB$B_JNLFLG    = 000000A0
IFB$B_JNLFLG2   = 000000A2
IFB$B_ORGCASE   = 00000023
IFB$V_DAP       = 0000003E
IFB$V_DEL       = 00000002
IFB$V_ONLY_RU   = 00000000
IFB$V_RUP       = 00000002
NT$DECETE      ***** X    01
NTDEL          00000036 R    01
PIO$A_TRACE    ***** X    01
RMS$DECETE2    ***** X    01
RMS$DECETE3    ***** X    01
RMSERRIOP      ***** X    01
RMSERRORG      ***** X    01
RMSEX RMS      ***** X    01
RMSRSET        ***** X    01
RMS$DELETE     = FFFFFFFE RG   01
RMS$NRU        = 000187FC
TPT$C_DELETE   ***** X    01
```

-----+  
! Psect synopsis !  
-----+

PSECT name	Allocation	PSECT No.	Attributes															
. ABS .	00000000 ( 0.)	00 ( 0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE					
RMSRMS	0000003C ( 60.)	01 ( 1.)	PIC	USR	CON	REL	GBL	NOSHR	EXE	RD	NOWRT	NOVEC	BYTE					
\$ABSS	00000000 ( 0.)	02 ( 2.)	NOPIC	USR	CON	ABS	LCL	NOSHR	EXE	RD	WRT	NOVEC	BYTE					

-----+  
! Performance indicators !  
-----+

Phase	Page faults	CPU Time	Elapsed Time
-----	-----	-----	-----
Initialization	35	00:00:00.05	00:00:00.65
Command processing	132	00:00:00.75	00:00:04.00
Pass 1	199	00:00:04.09	00:00:13.60
Symbol table sort	0	00:00:00.42	00:00:00.46
Pass 2	46	00:00:00.81	00:00:03.08
Symbol table output	5	00:00:00.05	00:00:00.15
Psect synopsis output	1	00:00:00.02	00:00:00.13
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	420	00:00:06.20	00:00:22.08

The working set limit was 1350 pages.  
21017 bytes (42 pages) of virtual memory were used to buffer the intermediate code.  
There were 20 pages of symbol table space allocated to hold 406 non-local and 3 local symbols.  
163 source lines were read in Pass 1, producing 13 object records in Pass 2.  
17 pages of virtual memory were used to define 16 macros.

-----  
! Macro library statistics !  
-----

Macro library name	Macros defined
-----	-----
\$255\$DUA28:[RMS.OBJ]RMS.MLB;1	8
\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	1
\$255\$DUA28:[SYSLIB]STARLET.MLB;2	3
TOTALS (all libraries)	12

513 GETS were required to define 12 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LISS:RMSODELET/OBJ=OBJ\$:RMSODELET MSRC\$:RMSODELET/UPDATE=(ENH\$:RMSODELET)+EXECMLS/LIB+LIB\$:RMS/LIB



0329 AH-BT13A-SE  
VAX/VMS V4.0

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